



MONTGOMERY COUNTY FIRE AND RESCUE SERVICE  
DRIVER/OPERATOR TRAINING PROGRAM

# Practical Examination

**Candidate** \_\_\_\_\_

**Evaluator** \_\_\_\_\_

**Practical Examination Objective:** The driver candidate will explain the purpose of and perform a pre-trip inspection on the vehicle used for training. The Pre-Trip Inspection will be completed using Maryland Motor Vehicle CDL Guidelines.

- 
- 1) **Vehicle Overview:** Start at the front of the vehicle looking for fluid leaks and hanging wires. \_\_\_\_\_ (1)  
Are all body components and lights intact, not missing, or broken. \_\_\_\_\_ (1)  
Look down each side of body looking for leaning which indicates weak or broken suspension. \_\_\_\_\_ (1)
- 

- 2) **Engine Compartment:** Raise hood making sure springs and safety cables are intact. \_\_\_\_\_ (1)  
**OR** \_\_\_\_\_ **OR** \_\_\_\_\_  
Raise cab making sure cab lift piston safety locks are intact. \_\_\_\_\_ (1)

**Check ALL Fluid levels to be sure they are at a safe operating level.**

- a) **Oil** Oil Level will be above the add mark. Check Oil for foam which indicates water. \_\_\_\_\_ (2)  
Verify the oil does not smell like diesel fuel. If oil is below the add mark add oil as appropriate.
- b) **Coolant** Check coolant by checking sight glass on reservoir or translucent reservoir. \_\_\_\_\_ (2)  
If coolant is low, add the proper mixture provided by CMF.
- c) **Transmission Fluid** Check Transmission with the engine running and in neutral with \_\_\_\_\_ (2)  
the transmission temperature between 140 and 160 degrees.  
Make sure transmission fluid has a reddish look and not brown.  
If it is brown, does it smell burnt?
- d) **Power Steering Fluid** Check power steering fluid reservoir for proper level. \_\_\_\_\_ (2)  
Make sure fluid is above the low or add mark.
- e) **Brake Fluid** Check BOTH chambers on master cylinder for proper fluid level. \_\_\_\_\_ (2)  
No loose or broken electrical connections. No leaks on reservoir or lines. IF APPLICABLE

<b>f) Alternator</b>	Is Alternator securely mounted. Check for loose or broken electrical connections.	_____ (2)
<b>g) Fan</b>	All blades present and not bent or broken. Shroud intact and clear of debris.	_____ (2)
<b>h) Radiator</b>	Is the radiator securely mounted. Is the radiator leaking?	_____ (2)
<b>i) Water Pump</b>	Is the water pump securely mounted and not leaking? Is it gear or belt driven?	_____ (1) _____ (1)
<b>j) Air Compressor</b>	Is the air compressor securely mounted and not leaking? Is it gear or belt driven?	_____ (1) _____ (1)
<b>k) Power Steering Pump</b>	Is the power steering pump securely mounted and not leaking? Is it gear or belt driven?	_____ (1) _____ (1)
<b>l) Hoses</b>	Check all hoses for cracking, cuts, and bulges.	_____ (1)
<b>m) Belts</b>	Check all belts for cuts, cracks, and frays. Belts will have no more than 3/4" deflection.	_____ (1)
<b>n) Wiring</b>	Check all wires for fraying, broken connections, and broken wires.	_____ (1)
<b>o) Batteries</b>	Check Batteries for leaks and corrosion. No loose or broken electrical connections. Batteries will be securely mounted and the battery box will not be rusted through.	_____ (2)

- 3) **Steering System:** The 12 parts of the steering system shall be evaluated on the following criteria.  
(12 points) The steering system shall have no loose or broken components. There shall be no welded repairs on the steering system. There shall be no inappropriate movement of any steering system component.

Steering Shaft to Steering Box _____ (1)	Drag Link _____ (1)
Steering Box securely mounted _____ (1)	Steering Arm _____ (1)
Steering Box not leaking _____ (1)	Castle Nut & Locking Pin _____ (1)
Output shaft properly aligned _____ (1)	Driver's Side lower control arm _____ (1)
Pitman Arm _____ (1)	Tie Rod _____ (1)
Castle Nut & Locking Pin _____ (1)	Officer's Side lower control arm _____ (1)

- 4) **Suspension System:** Check Spring mounts to make sure they are secure to the frame. \_\_\_\_\_ (1)  
No missing or loose parts and all springs will NOT be missing, misaligned, or broken. \_\_\_\_\_ (1)  
U-Bolts shall not be missing or broken and locking nuts must be secure on the bottom \_\_\_\_\_ (1)  
Air suspension equally inflated. Shocks will be checked for proper mounting and no leaks. \_\_\_\_\_ (1)

- 5) **Brake System:** All brake chambers will be inspected for overall condition. \_\_\_\_\_ (1)
- Push rods will not be overextended and clevis pins will be in place. \_\_\_\_\_ (1)
- Anti-lock wires and air or hydraulic lines will be in good condition and not leaking. \_\_\_\_\_ (1)
- Identify if the vehicle's braking system air or hydraulic. \_\_\_\_\_ (1)

Front Brakes		Rear Brakes	
(1) _____	Disc or Drum	_____	(1)
(1) _____	Not cracked, missing, or broken	_____	(1)
(1) _____	Heat checks less than half of surface	_____	(1)
(1) _____	1/8" Pads or 1/4" Shoes	_____	(1)

- 6) **Wheels and Tires** Tires will be free from cuts that expose the cord of the tire. Tires will be free from bulges which indicate tire/cord separation.

FRONT		REAR	
Condition _____	(1)	Condition _____	(1)
Inflation _____	(1)	Inflation _____	(1)
Depth _____	(1)	Depth _____	(1)
Front Tires match _____	(1)	Dual Tires not touching _____	(1)
Wheels not exposing bead _____	(1)	Wheels not exposing bead _____	(1)
Wheels not cracked or welded _____	(1)	Wheels not cracked or welded _____	(1)
Studs and lugs tight _____	(1)	Studs and lugs tight _____	(1)
Hub Oil present and clean _____	(1)	Mud Flaps _____	(1)

- 7) **Undercarriage** No bent or sagging frame rails. No cracks in frame rails or cross members. \_\_\_\_\_ (1)
- No illegal welded repairs and no missing, broken, or loose bolts at frame rail or cross members. \_\_\_\_\_ (1)
- Inspect all motor, cab, and body mounts for proper mounting and bushings. \_\_\_\_\_ (1)
- No leaks in exhaust system under passenger/patient compartments. All hangars are secure. \_\_\_\_\_ (1)
- On-Spot chains have no missing/damage to links or rubber on chain wheel. \_\_\_\_\_ (1)

- 8) **Drive Line** Drive line will be intact and have no missing parts. \_\_\_\_\_ (1)
- All bolts will be in place in all universal joints and in the carrier bearing. Carrier Bearing secure. \_\_\_\_\_ (1)

- 9) **Fuel Tank** The fuel tank will be securely mounted with rubber gaskets on straps and not leaking. \_\_\_\_\_ (1)
- The rubber gasket must be on the fuel cap. Visually inspect fuel level and compare to gauge. \_\_\_\_\_ (1)

- 10) **Body** All mirrors will be securely mounted and will not be missing, cracked, or broken. \_\_\_\_\_ (1)
- All Compartment doors will latch securely. \_\_\_\_\_ (1)

11) In Cab Inspection	Cab will be clean as to prevent items from rolling on the floor.	(1)
	The dashboard will be clean of obstructions of the defroster. The defroster MUST function.	(1)
a) Seat & Seatbelts	The seat will be securely mounted to the floor with no missing parts. The seat will adjust forwards and backwards and up and down. The seatbelt will function properly, have no missing parts, and not torn or frayed. The locking mechanism will securely latch.	(2)
b) Windshield	Windshield will not be cracked or broken. Wiper blades will not be missing or torn and will make proper contact with the windshield.	(1)
c) Gauges	With ignition on and motor running all gauges will be in their normal operating range. Gauges should be illuminated from the back.	(1)
d) Steering Wheel	Will not be broken and have no more than 10 percent of play. The horn will function.	(2)
e) Lights	All lights will function properly and be of proper color. Headlights, high beams, turn signals, hazards lights, tail lights, brake lights, reverse lights, and marker lights will all be in working order.	(2)
f) Reverse Alarm	When the unit is in reverse the reverse alarm will sound.	(1)
g) Safety Equipment	A wheel chock, safety vests, traffic flares or triangles, and a minimum 5lb fire extinguisher are present on the vehicle.	(2)

**PASS**                      **FAIL**                      Candidate Score \_\_\_\_\_

Date \_\_\_\_\_

## MCFRS Driver Training

